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Substitute for form 1440A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(use as many sheets necessary)</small>				COMPLETE IF KNOWN			
				Application Number	Not Yet Assigned	10/675734	
				Filing Date	Not Yet Assigned	9/30/03	
				First Named Inventor	Gillis		
				Group Art Unit	Not Yet Assigned	2651	
				Examiner Name	Not Yet Assigned	Shiozaki	
SHEET	1	OF	1	Docket Number	HSJ9-2003-0117US1		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (If known)		
AJH		US 2003/0067711	A1	Shoda et al.	04-10-2003
AJH		US 2002/0135922	A1	Smith	09-26-2002
AJH		6,417,981	B1	Smith	07-09-2002
AJH		6,356,405	B1	Gu et al.	03-12-2002
AJH		5,825,591		Nakamura et al.	10-20-1998
AJH		5,436,776		Kurokawa	07-25-1995
AJH		5,396,383		Gregory et al.	03-07-1995
AJH		5,331,487		Gregory et al.	07-19-1994
AJH		5,049,410		Johary et al.	09-17-1991
AJH		4,692,832		Bandara et al.	09-08-1987
AJH		4,626,941		Sawada et al.	12-02-1986

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Office ³	Number ⁴		
AJH		DE3341205	/	Miyuki et al.	05-17-1984
AJH		JP4149819	/	Akira et al.	05-22-1992
AJH		JP60133538	/	Sadakuni et al.	07-16-1986
AJH		JP8203066	/	Saburo et al.	08-09-1996
AJH		JP4345915	/	Yoichi et al.	12-01-1992
AJH		JP2206010	-	Takeo	08-15-1990
AJH		JP63257976	/	Nobuyuki	10-25-1988

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ⁶
AJH		IBM TECHNICAL DISCLOSURE BULLETIN, Method of Prolonging the Life of Magnetic Disk Storage, June 1998, p. 247			

Examiner Signature	<i>Cinda J. Hise</i>	Date Considered	9/14/04
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two letter-code (WIPO Standard ST.3).

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.